ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: _09/909,567_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 ____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 ____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 ____ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 ____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 ____ Variable Length

Sequence(s) ____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 ____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 ____ Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 ____ Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 ____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 ____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 ____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 ____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 ____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

OIPE

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/909,567

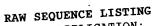DATE: 08/02/2001
TIME: 10:58:21

Input Set : A:\Dex-2141.app
Output Set: N:\CRF3\08022001\I909567.raw

Does Not Comply
Corrected Diskette Needed

```
   3 <110> APPLICANT: Macina, Roberto A
   4        Nair, Manoj
   5        Chen, Seiyu
   7 <120> TITLE OF INVENTION: Compositions and Methods Relating to Lung Specific
   8        Genes
  10 <130> FILE REFERENCE: DEX-0214
  12 <140> CURRENT APPLICATION NUMBER: US/09/909,567
  13 <141> CURRENT FILING DATE: 2001-07-20
  15 <150> PRIOR APPLICATION NUMBER: 60/219,834
  16 <151> PRIOR FILING DATE: 2000-07-21
  18 <160> NUMBER OF SEQ ID NOS: 56
  20 <170> SOFTWARE: PatentIn Ver. 2.1
```

ERRORED SEQUENCES

```
  1285 <210> SEQ ID NO: 22
  1286 <211> LENGTH: 355
  1287 <212> TYPE: DNA
  1288 <213> ORGANISM: Homo sapiens
  1290 <400> SEQUENCE: 22
```

see item 9 on Err Summary sheet

```
E--> 1291 caagctggct tctgttnaga tgagctncnn ggagatgcta ctgcatggca caggaagaac  60
E--> 1292 gtgtgaccac taggattatt tccagcataa ntggctttgc atggntgaag tntagcaat 120
E--> 1293 gaatttctat aagccctttt aaaattggaa ttcataaaca agtctctgtg ctctcaccnt 180
E--> 1294 gtggcanttn tttctgctct ttttgttgtt tnattgtgtt ctcactgcta cctagctagc 240
E--> 1295 atcntggtgt catggaagtg gaccagatat tttcacaccc attatattct agatgctgtg 300
E--> 1296 ttaagatnca ngacaacnan ntngnnncnn gatgtaaaat tttntagncn gnagg       355
```

/ see item 9 on Err Summary sheet

```
  1600 <210> SEQ ID NO: 38
  1601 <211> LENGTH: 2475
  1602 <212> TYPE: DNA
  1603 <213> ORGANISM: Homo sapiens
```

P.2

```
  1605 <400> SEQUENCE: 38
  1606 atcacctgca tcctcgagga cagaccttgt gaagtcagag ctgctacaca ttgaatctca  60
  1607 agtcgagctt ctgagattcg atgattcagg aagaaaggat tctgaggttt tgaagcaaaa 120
  1608 tgcagtgaac agcaaccaat ccaatgttgt aattgaagac tttgagtcct cacggatctc 180
  1609 ttcgtctttg cagcgtagcc cgagtcggtc agcgccggag gacctcagca gccatgtcga 240
  1610 agccccatag tgaagccggg actgccttca ttcagaccca gcagctgcac gcagccatgg 300
  1611 ctgacacatt cctggagcac atgtgccgcc tggacattga ttcaccaccc atcacagccc 360
  1612 ggaacactgg catcatctgt accattgggc ccagcttccc gatcagtgga gacgttgaag 420
  1613 gagatgataa gtctggaatg aatgtggctc gtctgaattc tctcatggac tcatgagtac 480
  1614 catgcggaga ccatcaagaa tgtgcgcaca gccacggaaa gctttgcttc tgaccccatc 540
  1615 ctctaccggc ccgttgctgt ggctctagac actaaaggac ctgagatccg aactgggctc 600
  1616 atcaagggca gcggcactgc agaggtggag ctgaagaagg gagccactct caaaatcacg 660
  1617 ctggataacg cctacatgga aaagtgtgac gagaacatcc tgtggctgga ctacaagaac 720
  1618 atctgcaagg tggtggaagt gggcagcaag atctacgtgg atgatgggct tatttctctc 780
  1619 caggtgaagc agaaaggtgc cgacttcctg gtgacggagg tggaaaatgg tggctccttg 840
  1620 ggcagcaaga agggtgtgaa ccttcctggg gctgctgtgg acttgcctgc tgtgtcggag 900
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/909,567

DATE: 08/02/2001
TIME: 10:58:21

Input Set : A:\Dex-2141.app
Output Set: N:\CRF3\08022001\I909567.raw

Item 9

```
     1621 aaggacatcc caggatctga aagtttgggg gtcgagcagg atgttgatat ggtgtttggc  960
E--> 1622 gtcattccat cccgcaaagg catctggatg tcccatggaa agtttaggaa nggtcctggg 1020
     1623 gagagaaggg aaaagaaaca tccaagatta tccagcaaaa tcgagaatca tgagggggtt 1080
     1624 cggaggtttg atgaaatcct ggaggccagt gatgggatca tggtggctcg tggtgatcta 1140
     1625 ggcattgaga ttcctgcaga gaaggtcttc ttgctcagaa gctggagagc atcgatcaag 1200
     1626 acccgagact gggaagcctg tcatctgtgc tactccagat gctggagagc atcgatcaag 1260
     1627 aagccccgcc ccactcgggc tgaaggcagt gatgtggcca atgcagtcct ggatggagcc 1320
     1628 gactgcatca tgctgtctgg agaaacagcc aaaggggact atcctctgga ggctgtgcgc 1380
     1629 atgcagcacc tgattgcccg tgaggcagag gctgccatct accacttgca attatttgag 1440
     1630 gaactccgcc gcctggcgcc cattaccagc gacccacag aagccaccgc cgtgggtgcc 1500
     1631 gtggaggcct ccttcaagtg ctgcagtggg gccataatcg tcctcaccaa gtctggcagg 1560
     1632 tctgctcacc aggtggccag ataccgccca cgtgccccca tcattgctgt gacccggaat 1620
     1633 ccccagacag ctcgtcaggc ccacctgtac cgtggcatct tccctgtgct gtgcaaggac 1680
     1634 ccagtccagg aggcctgggc tgaggacgtg gacctccggg tgaactttgc catgaatgtt 1740
     1635 ggcaaggccc gaggcttctt caagaaggga gatgtggtca ttgtgctgac cggatggcgc 1800
     1636 cctggctccg gcttcaccaa caccatgcgt gttgttcctg tgccgtgatg gaccccagag 1860
     1637 cccctcctcc agccctgtc ccacccccctt ccccccagccc atccattagg ccagcaacgc 1920
     1638 ttgtagaact cactctgggc tgtaacgtgg cactggtagg ttgggacacc agggaagaag 1980
     1639 atcaacgcct cactgaaaca tggctgtgtt tgcagcctgc tctagtggga cagcccagag 2040
     1640 cctggctgcc catcatgtgg ccccacccaa tcaagggaag aaggaggaat gctggactgg 2100
     1641 aggcccctgg agccagatgg caagagggtg acagcttcct ttcctgtgtg tactctgtcc 2160
     1642 agttcctta gaaaaaatgg atgcccagag gactcccaac cctggcttgg ggtcaagaaa 2220
     1643 cagccagcaa gagttagggg ccttagggca ctgggctgtt gttccattga agccgactct 2280
     1644 ggccctggcc cttacttgct tctctagctc tctaggcctc tccagtttgc acctgtcccc 2340
     1645 accctccact cagctgtcct gcagcaaaca ctccaccctc caccttccat tttcccccac 2400
     1646 tactgcagca cctccaggcc tgttgctata gagcctacct gtatgtcaat aaacaacagc 2460
     1647 tgaagcacca aaaaa                                                   2475
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/909,567

DATE: 08/02/2001
TIME: 10:58:23

Input Set : A:\Dex-2141.app
Output Set: N:\CRF3\08022001\I909567.raw

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:80 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:106 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:2
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:196 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:4
L:196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:338 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:7
L:338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:445 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:446 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:447 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:448 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:448 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:452 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:452 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:453 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:8
L:453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:954 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:17
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:982 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:18
L:982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:1175 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1176 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1177 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1178 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1179 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1180 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19
L:1180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:1291 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:22
M:340 Repeated in SeqNo=22
L:1622 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:38

8/2/01